Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/21/2017 10:48 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124691	-1	1.56	124533	1.51
Blue	F	SSC	125000	123479	-2	3.10	123809	2.88
Blue	E	FITC	23795	23122	-3	2.61	1033	10.49
Blue	D	PE	29673	29180	-2	2.17	1051	9.93
Blue	B	PerCP-Cy5-5	48943	48256	-2	3.62	1384	17.66
Blue	A	PE-Cy7	44112	43847	-1	5.31	672	36.63
Red	C	APC	54273	53563	-2	2.74	3082	9.53
Red	A	APC-Cy7	54945	54479	-1	2.70	1133	11.19
Violet	B	V450	15756	15235	-4	4.25	727	9.08
Violet	A	V500	62569	61927	-2	4.06	2751	6.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19354	3.47	613	-1	N/A	N/A	Pass
Blue	F	SSC	61300	1.55	547	1	N/A	N/A	Pass
Blue	E	FITC	114	39.65	549	-1	0.0197	151	Pass
Blue	D	PE	228	30.17	547	1	0.1620	283	Pass
Blue	B	PerCP-Cy5-5	214	46.96	638	-1	0.0092	84	Pass
Blue	A	PE-Cy7	73	124.00	695	-4	0.0113	17	Pass
Red	C	APC	365	27.56	598	-2	0.0199	58	Pass
Red	A	APC-Cy7	124	41.96	576	-8	0.0056	1967	Pass
Violet	B	V450	88	40.95	475	3	0.0453	1655	Pass
Violet	A	V500	199	21.89	504	5	0.0138	105	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.67	-30.96	0.84
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	17.20	13.27 - 19.91	N/A	N/A	30.80	31.43	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9738

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments